International application No.

# PCT/NZ2004/000227

<b>A.</b>	CLASSIFICATION OF SUBJECT MATT	ΓER			
Int. Cl. 7:	E01F 15/02				
According to	International Patent Classification (IPC) or	to bot	n national classification and IPC		
В.	FIELDS SEARCHED				
Minimum docu	mentation searched (classification system follow	wed by	classification symbols)		
	a searched other than minimum documentation to 01F 15/00, 15/02, 15/04, 15/06	to the ex	ctent that such documents are included in the fields search	ned	
Electronic data			f data base and, where practicable, search terms used) or turn+)		
C.	DOCUMENTS CONSIDERED TO BE RELE	VANT		<del></del>	
Category*	Citation of document, with indication, when	here ap	propriate, of the relevant passages	Relevant to claim No.	
. A	WO 1996/029473 A1 (DAVIDSEN) See whole document	26 S	eptember 1996	1	
. A	WO 1999/032728 A1 (AUTOSTRA) See whole document	DA D	EL BRENNERO S.P.A.) 1 July 1999	1	
Α	WO 1998/044203 A1 (SICKING et a See whole document	al) 8 C	October 1998	1	
Α	US 5967497 A (DENMAN et al) 19 See whole document	Octob	er 1999	. 1	
X I	Further documents are listed in the cont	inuatio	on of Box C X See patent family annu	ex	
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "T" later document published after the international filing date or proceed to the conflict with the application but cited to understand the principal state of the art which is not considered to be of particular relevance.					
	"E" earlier application or patent but published on or after the "X" do		underlying the invention locument of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken		
"L" document which may throw doubts on priority claim(s) "Y" doc		alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other			
	citation or other special reason (as specified) nt referring to an oral disclosure, use, exhibition		such documents, such combination being obvious to a person sl document member of the same patent family	cilled in the art	
"P" docume	nt published prior to the international filing date than the priority date claimed				
Date of the act	ual completion of the international search		Date of mailing of the international search report		
Name and mail	er 2004 ling address of the ISA/AU		3 DEC 2004		
AUSTRALIAN PO BOX 200, E-mail address	V PATENT OFFICE WODEN ACT 2606, AUSTRALIA : pct@ipaustralia.gov.au (02) 6285 3929		BARRY STEPHENS Telephone No: (02) 6283 2106		

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2224528 A (BRITISH ROPES LIMITED) 9 May 1990 See whole document	1
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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This internal reasons:	cional search report has not been established in respect of certain claims under Article 17(2)(a) for the following
1.	Claims Nos.:
1	because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.:
:	because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.	Claims Nos.:
	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
1. The i claims i arrange	tional Searching Authority found multiple inventions in this international application, as follows: mpact head as claimed in claims 1-8 and included in claims 9-11, claim 17, and method claim 20. These nclude cable routing means configured to form a tortuous path through which a cable can be threaded, this ment being considered a first "special technical feature".
• .	[continued in Supplemental Box]
	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. X	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on	Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

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Supplemental Bo
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(To be used when the space in any of Boxes I to VIII is not sufficient)

### Continuation of Box No: III

- 2. A guardrail as claimed in claims 12-15, 18 and 19, including at least one cable provided along at least part of the length of a plurality of slidably-interconnected rails wherein each end of the cable is fixed in relation to the ground and an impact slider means substantially surrounds a first rail and includes a portion that gathers and retains rails during an impact. This arrangement is considered to comprise a second "special technical feature".
  - 3. A frangible fastener as claimed in claim 16, including a head portion having a minimum cross-sectional diameter greater than the maximum cross-sectional diameter of a tail portion and a shank portion including a frangible zone having a minimum cross-sectional diameter smaller than the tail portion's maximum cross-sectional diameter. This arrangement is considered to comprise a third "special technical feature".

Although the impact head of claim 17 and the guardrail of claim 18 include the frangible fastener of claim 16, the three groups of claims considered as a whole do not share any of the identified special technical features, and therefore a technical relationship between the claims, as defined in Rule 13.2, does not exist. Accordingly, the international application does not relate to a single invention, or to a single inventive concept.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member					
wo	1996/029473	AU	49399/96	DK	27795		
wo	1999/032728	AU	20545/99	BR	9807715	CA	2280017
		EP	0924347	EP	0968333		
wo	1998/044203	AU	66787/98	CA	2285217	EP	1015699
		NZ	337858	US	5775675	US	5924680
		US	6109597				
US	5967497	ΑU	97114/98	EP	0924348	· NO	985847
		NZ	332805	•	•		
GB	2224528	AU	44506/89	CA	2002442	DK	554089
		EP	0369659				
		GB	2224528	HU	55456	IL.	92204
	•	NZ	231326	PT	92221	TR	27232
		US	5039066				
		ZA	8908455				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX